

Designed for use with



PDS N5.9.3C

February 2019

AQUABASE PLUS[®] P190-6790 HS Clearcoat - LV

PRODUCT DESCRIPTION

AQUABASE[®] Plus P190-6790 is a High Solids, Low VOC acrylic urethane clearcoat which provides a fast and easy to apply super high gloss and durable finish designed specifically for use over *Aquabase Plus* waterborne basecoat.

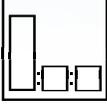
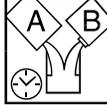
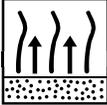
P190-6790 uses a ONE-VISIT[™] application where 1 light to medium flowing coat is followed immediately by a full coat with no flash-off between coats.

Products	
P190-6790	HS Clearcoat - LV
P210-872/-875/-877	Hardeners
P850-1775	Slow Reducer

THESE PRODUCTS ARE FOR PROFESSIONAL USE ONLY

HS Clearcoat LV

PROCESS

MIX RATIO	HS Clearcoat LV	
	P190-6790 Clearcoat	3 parts
	P210-872/-875/-877 Hardener	1 part
	P850-1775 Thinner	1 part
POTLIFE 	Sprayable Pot Life: 2 - 2.5 hours at 70°F (21°C)* Viscosity: 18 - 20 seconds DIN #4 at 70°F (21°C) *Pot life will be shortened with increased temperatures	
SPRAYGUN & AIR PRESSURE 	Fluid Tip: 1.2 - 1.4 mm HVLP: 10 PSI cap pressure Compliant: 29 - 40 PSI at the gun* For best overall results, refer to the spray gun manufacturer's recommendation for optimum inlet air pressures	
APPLICATION 	One Visit: Apply 1 light to medium flowing coat is immediately followed by a second medium coat to give 2-2.5 mils dry film thickness.	
FLASH TIME 	On a single vertical panel, allow 1 minute of flash time between the 1st and 2nd coats. For 2 or more panels, no flash time between coats is required	
DRY TIMES 	Air Dry at 70° (21°C) Dust Free: 50-60 minutes Handle: Overnight Polishing: Overnight Force Dry at 140°F (60°C) Metal Temperature Bake: 30 minutes I-R Full Power: 8-15 minutes	

All force dry times are quoted for surface temperature. Additional time must be allowed during force dry to allow surface to reach recommended temperature,

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HS Clearcoat LV

GENERAL PROCESS NOTES

SUBSTRATES

P190-6790 HS Clearcoat LV can be applied over *Aquabase* Plus waterborne basecoat after following recommended drying procedures, properly prepared and cleaned original equipment finishes and fully cured refinish paints.

The use of a tack rag is recommended

PROCESS NOTES

CHOICE OF HARDENER

Hardener and thinner selection will depend mainly on temperature, but also on air movement and size of repair. See hardener selection guide on following page.

P210-872	HS Plus Hardener - Low Temperature
P210-875	HS Plus Hardener - Mid Temperature
P210-877	HS Plus Hardener - High Temperature
P850-1775	Slow Reducer

For optimum performance, paint systems should not be applied cold. For best results, allow adequate time for paint to reach 70°F (21°C).

OPTIONAL ADDITIVES

Flexible Parts

P100-2021	LV Flexible Additive	¼ up to ½ part to RTS quart
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SLV814	Universal Flexibilizer	¼ up to ½ part to RTS quart
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Note: P190-6790 does not require the use of P100-2021 but it is recommended. For very flexible or leading edge parts, the addition of P100-2021 or SLV814 will improve overall flexibility.

Fisheye Eliminator

SLV73	Fisheye Eliminator	1 oz. to RTS quart
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RECOATABILITY

P190-6790 HS Clearcoat LV is recoatable after overnight air dry at 70°F (21°C) or after force dry for 30 minutes at 120°F (49°C) metal temperature and cool down.

PROCESS NOTES

Fading Out:

After spot repairing, use ONECHOICE® SLV840 or SXA840 Uniform Finish Blender solvent and apply starting from the outside of the repair moving towards the center of the repaired area to lose the clearcoat blend edge.

POLISHING

Minor dirt nibs can be removed after recommended air dry or force dry and cool down cycles. Sand with P1500 or finer and follow normal polishing procedures.

VOC COMPLIANCE

To ensure accurate mixing, best performance & VOC compliance:

- Do not add extra hardener, thinner or change the recommended mixing ratio.
- Do not use hardeners or thinners that are not specific in this process summary.

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HS Clearcoat LV

GENERAL PROCESS NOTES

EQUIPMENT CLEANING

Use approved cleaning solvent

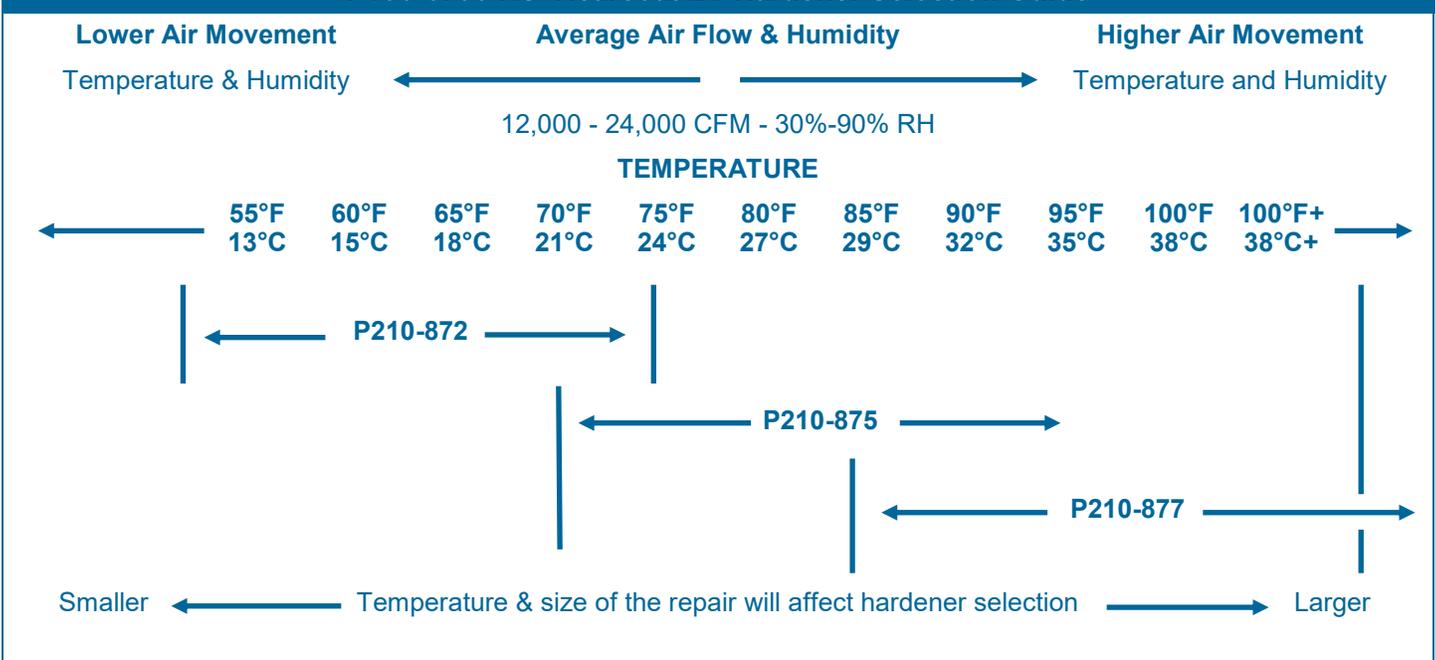
Weight Activation Chart for P190-6790 HS Clearcoat LV

Cumulative Weight in Grams

Final Ready for Use Volume	P190-6790 Clearcoat	P210-87x Hardener	P850-1775 Thinner
¼ Pint / 4 oz.	80.2	105.5	137.2
½ Pint / 8 oz.	160.4	210.9	274.5
¾ Pint / 12 oz.	240.6	316.5	411.6
1 Pint / 16 oz.	320.7	421.8	548.9
1.25 Pints / 20 oz.	400.9	527.3	686.2
1.5 Pints / 24 oz.	481.1	632.8	832.4
1.75 Pints / 28 oz.	561.3	738.2	960.6
1 Quart / 32 oz.	641.4	843.6	1097.8
1.5 Quart / 48 oz.	962.1	1265.4	1646.7
2 Quart / 64 oz.	1282.9	1687.2	2195.7

Note: For the standard two coat application method, an additional 1/2 part of P850-1775 reducer may be added to improve flow if needed.

P190-6790 HS Clearcoat LV Hardener Selection Guide



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HS Clearcoat LV

RTS Combinations	Standard P190-6790 : P210-87x : P850-1775	Flexible (Premix P190-6790 : P100-2021 at 5:1) P190-6790 : P210-87x : P850-1775 + P100-2021
Volume Ratio	3 : 1 : 1	3 : 1 : 1 :
Applicable Use Category	Clear Coating	Clear Coating (Flexible)
VOC Actual (g/L)	156	156
VOC Actual (lbs/Gal)	1.30	1.30
VOC Regulatory (g/L) (less water, less exempts)	252	249
VOC Regulatory (lbs/Gal) (less water, less exempts)	2.10	2.08
Density (g/L)	1163	1173
Density (lbs/Gal)	9.70	9.79
Volatiles wt. %	57.2	59.7
Water wt. %	0.0	0.0
Exempt wt. %	44.0	48.5
Water vol. %	0.0	0.0
Exempt vol. %	38.1	42.4
Solids vol. %	44.3	42.0
Solids wt. %	42.8	40.3
Sq. Ft. Coverage / US Gal. 1 mil at 100% transfer efficiency	711	738

HEALTH AND SAFETY

See Safety Data Sheet and Labels for additional safety information and handling instructions.

- The contents of this package may have to be blended with other components before the product can be used. Before opening the packages, be sure you understand the warning messages on the labels and SDSs of all the components since the mixture will have the hazards of all of its parts.
- Improper handling and use, for example, poor spray technique, inadequate engineering controls and/or lack of proper Personal Protective Equipment (PPE), may result in hazardous conditions or injury.
- Follow spray equipment manufacturer's instructions to prevent personal injury or fire.
- Provide adequate ventilation for health and fire hazard control.
- Follow company policy, product SDS and respirator manufacturer's recommendations for selection and proper use of respiratory protection. Be sure employees are adequately trained on the safe use of respirators per company and regulatory requirements.
- Wear appropriate PPE such as eye and skin protection. In the event of injury, see first aid procedures on SDS.
- Always observe all applicable precautions and follow good safety and hygiene practices.

EMERGENCY MEDICAL OR SPILL CONTROL INFORMATION (412) 434-4515; IN CANADA (514) 645-1320

Materials described are designed for application by professional, trained personnel using proper equipment and are not intended for sale to the public. Products mentioned may be hazardous and should only be used according to direction, while observing precautions and warning statement listed on label. Statement and methods described are based upon the best information and practices known to PPG Industries. Procedures for applications mentioned are suggestions only and dare not to be construed as representations or warranted as to performance, results or fitness for any intended use, nor does PPG Industries warrant freedom from patent infringement in the use of any formula or process set forth herein.

For further information please contact:

Nexa Autocolor - USA
19699 Progress Drive
Strongsville, OH 44149

Nexa Autocolor - Canada
2301 Royal Windsor Drive Unit #6
Mississauga, Ontario L5J 1K5

